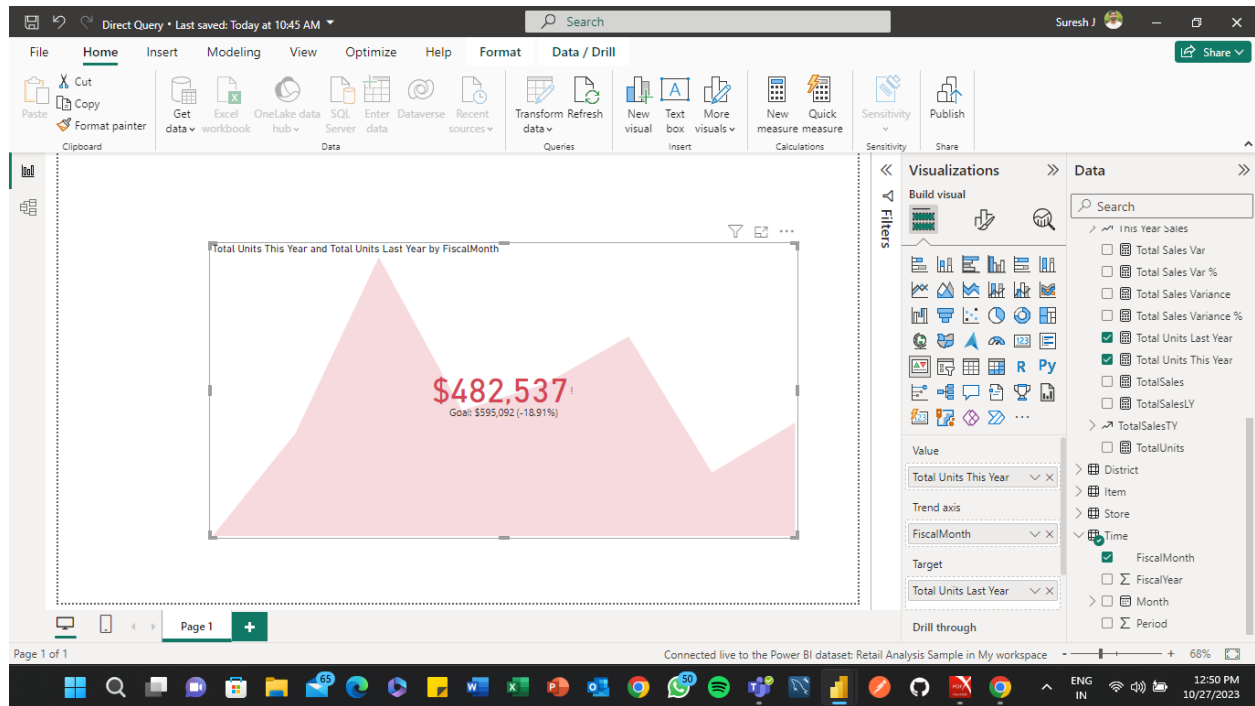
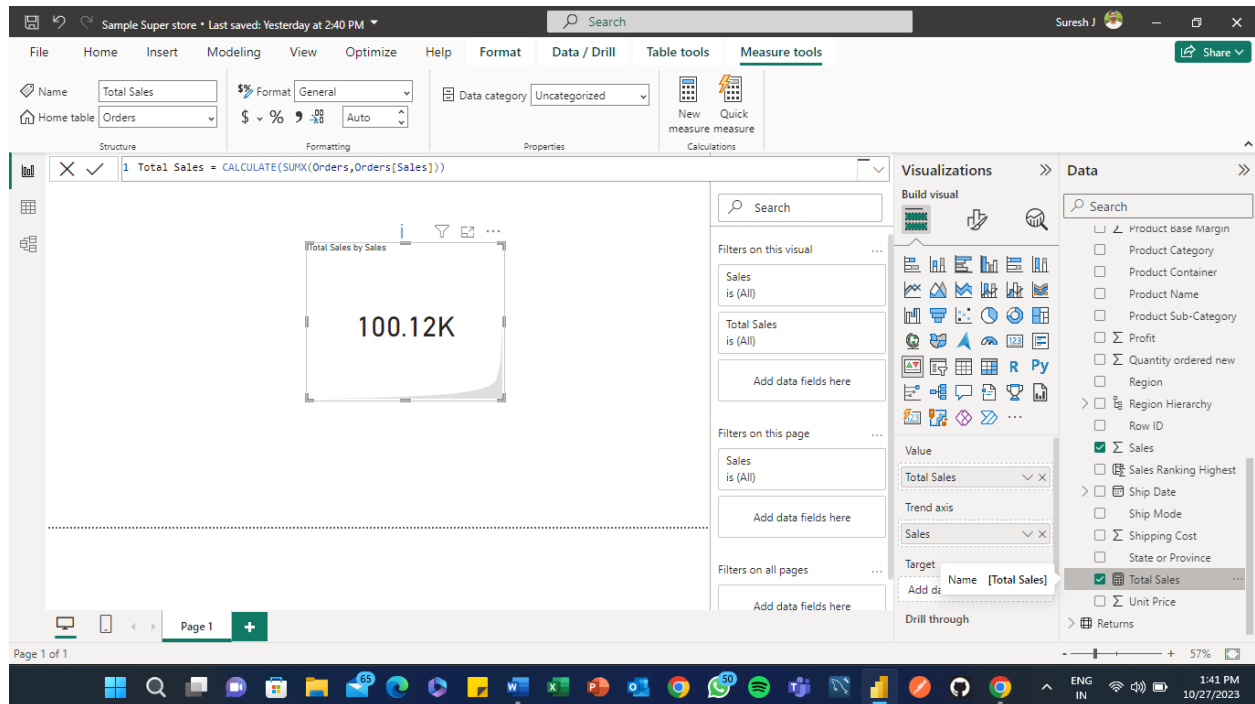


**SURESH**  
**Power BI Session**  
**Module 6**

# Direct Query



# Total Using Calculate and Sumx Function



# Creating a Measure for fetch the Specific year sales using Variable, Return and Calculate Functions

## 2010 Corporate Sales

The screenshot displays the Microsoft Power BI Desktop interface. The main area shows the DAX formula editor with the following code:

```
1 2010 corporate sales =  
2 Var  
3 CorporateSales = FILTER(ALL(Orders[Customer Segment]), Orders[Customer Segment] = "Corporate")  
4 var  
5 IncludeDates = FILTER(ALL(Orders[Order Date]), Orders[Order Date]=2010)  
6 return  
7 CALCULATE([TOTAL SALES],  
8 CorporateSales,  
9 IncludeDates)  
10 //This is for 2010 corporate sales
```

The interface includes a top menu bar with options like File, Home, Insert, Modeling, View, Optimize, Help, Table tools, and Measure tools. The right-hand pane shows the Visualizations and Data sections. The Data section lists various tables and columns, including Orders, Dates, DimCustomer, DimProducts, and Disinct Order Count. The bottom status bar indicates the current page is Page 1 of 1, and the system clock shows 1:33 PM on 10/27/2023.

# 2011 Corporate Sales

The screenshot displays the Microsoft Power BI Desktop interface. The top ribbon includes tabs for File, Home, Insert, Modeling, View, Optimize, Help, Table tools, and Measure tools. The 'Measure tools' tab is active, showing options for Name, Home table, Format, and Data category. The 'Name' field is set to '2011 corporate sales', and the 'Home table' is 'Orders'. The 'Format' dropdown is set to 'General', and the 'Data category' is 'Uncategorized'. The 'Visualizations' pane on the right shows the 'Build visual' section with various chart types. The 'Data' pane on the right shows the 'Orders' table with columns like '2010 corporate sales', '2011 corporate sales', '2012 corporate sales', '2013 corporate sales', 'City', 'Customer ID', 'Customer Name', 'Customer Segment', 'Days to Ship', and 'Discount'. The '2011 corporate sales' measure is selected in the 'Data' pane. The 'Visualizations' pane shows the 'Build visual' section with various chart types. The 'Data' pane shows the 'Orders' table with columns like '2010 corporate sales', '2011 corporate sales', '2012 corporate sales', '2013 corporate sales', 'City', 'Customer ID', 'Customer Name', 'Customer Segment', 'Days to Ship', and 'Discount'. The '2011 corporate sales' measure is selected in the 'Data' pane. The 'Visualizations' pane shows the 'Build visual' section with various chart types. The 'Data' pane shows the 'Orders' table with columns like '2010 corporate sales', '2011 corporate sales', '2012 corporate sales', '2013 corporate sales', 'City', 'Customer ID', 'Customer Name', 'Customer Segment', 'Days to Ship', and 'Discount'. The '2011 corporate sales' measure is selected in the 'Data' pane.

```
1 2011 corporate sales =  
2 var  
3 CorporateSales = FILTER(ALL(Orders[Customer Segment]), Orders[Customer Segment] = "Corporate")  
4 var  
5 IncludeDates = FILTER(ALL(Orders[Order Date]), Orders[Order Date]=2011)  
6 return  
7 CALCULATE((TOTAL SALES),  
8 CorporateSales,  
9 IncludeDates)  
10 //This is for 2011 corporate sales
```

# 2012 Corporate Sales

The screenshot displays the Microsoft Power BI Desktop interface. The top ribbon includes tabs for File, Home, Insert, Modeling, View, Optimize, Help, Table tools, and Measure tools. The 'Measure tools' tab is active, showing options for Name, Home table, Format, and Data category. The 'Name' field is set to '2012 corporate sales', and the 'Home table' is 'Orders'. The 'Format' dropdown is set to 'General', and the 'Data category' is 'Uncategorized'. The 'Visualizations' pane on the right shows the 'Build visual' section with various chart types. The 'Data' pane on the right shows the 'Orders' table with columns like '2010 corporate sales', '2011 corporate sales', '2012 corporate sales', '2013 corporate sales', 'City', 'Customer ID', 'Customer Name', 'Customer Segment', 'Days to Ship', and 'Discount'. The '2012 corporate sales' measure is selected in the 'Data' pane. The 'Visualizations' pane shows the 'Build visual' section with various chart types. The 'Data' pane shows the 'Orders' table with columns like '2010 corporate sales', '2011 corporate sales', '2012 corporate sales', '2013 corporate sales', 'City', 'Customer ID', 'Customer Name', 'Customer Segment', 'Days to Ship', and 'Discount'. The '2012 corporate sales' measure is selected in the 'Data' pane. The 'Visualizations' pane shows the 'Build visual' section with various chart types. The 'Data' pane shows the 'Orders' table with columns like '2010 corporate sales', '2011 corporate sales', '2012 corporate sales', '2013 corporate sales', 'City', 'Customer ID', 'Customer Name', 'Customer Segment', 'Days to Ship', and 'Discount'. The '2012 corporate sales' measure is selected in the 'Data' pane.

```
1 2012 corporate sales =  
2 var  
3 CorporateSales = FILTER(ALL(Orders[Customer Segment]), Orders[Customer Segment] = "Corporate")  
4 var  
5 IncludeDates = FILTER(ALL(Orders[Order Date]), Orders[Order Date]=2012)  
6 return  
7 CALCULATE((TOTAL SALES),  
8 CorporateSales,  
9 IncludeDates)  
10 //This is for 2012 corporate sales
```

# 2013 Corporate Sales

The screenshot displays the Microsoft Power BI Desktop interface. The main window shows the DAX formula for the '2013 corporate sales' measure:

```
1 2013 corporate sales =  
2 Var  
3 CorporateSales = FILTER(ALL(Orders[Customer Segment]), Orders[Customer Segment] = "Corporate")  
4 var  
5 IncludeDates = FILTER(ALL(Orders[Order Date]), Orders[Order Date]=2013)  
6 return  
7 CALCULATE((TOTAL SALES),  
8 CorporateSales,  
9 IncludeDates)  
10 //This is for 2013 corporate sales
```

The right-hand pane shows the 'Data' section with a search bar and a list of data sources. The 'Orders' table is expanded, showing the following fields:

- ☐ 2010 corporate sales
- ☐ 2011 corporate sales
- ☐ 2012 corporate sales
- ☒ 2013 corporate sales
- ☐ City
- ☐ Customer ID
- ☐ Customer Name
- ☐ Customer Segment
- ☐ Days to Ship
- ☐ Discount
- ☐ End of Month

The bottom status bar indicates 'Page 1 of 1' and 'Page 1'.